

Claims

- [c1] An assembly comprising:
a first member having an inner surface;
a second member having an outer surface and being at least partially received within said first member;
wherein at least one of said surfaces includes at least one groove for receiving a portion of said other member;
and
wherein said at least one groove includes an opening and a base each having a predetermined width, said predetermined width of said opening being generally less than said predetermined width of said base.
- [c2] An assembly, as in claim 1, wherein one of said first and second members has greater rigidity, and said groove is associated with said member with said greater rigidity.
- [c3] An assembly, as in claim 1, wherein said second member comprises an insert and a sleeve surrounding said insert, said sleeve including said outer surface and said at least one groove.
- [c4] An assembly, as in claim 1, wherein said first and second members are generally tubular.

- [c5] An assembly, as in claim 1, wherein said at least one groove includes two side walls and at least one of said side walls extends angularly from said base to said one of said inner surface and said outer surface to collectively define said opening.
- [c6] An assembly, as in claim 5, wherein said at least one side wall extends angularly from said base to said one of said inner surface and said outer surface at an acute angle.
- [c7] An assembly, as in claim 5, wherein both of said two side walls extend angularly from said base to said one of said inner surface and said outer surface at about 45 degrees.
- [c8] An assembly, as in claim 1, further including a coupling mechanism providing inward pressure upon said members member to generate a seal between said inner surface of said first member and said outer surface of said second member.
- [c9] An assembly, as in claim 8, wherein said coupling mechanism is a crimp shell.
- [c10] An assembly, as in claim 8, wherein said coupling mechanism is a spring clamp.
- [c11] An assembly comprising:
 - a first member having an inner surface;

a second member having an outer surface and being at least partially received within said first member;
at least one of said surfaces including at least one groove for receiving a portion of said other member; and
wherein one of said first and second members has greater rigidity, and said groove is associated with said member with said greater rigidity.

[c12] An assembly comprising:

a first member having an inner surface;
an insert at least partially received in said first member;
a sleeve surrounding said insert and having an outer surface;
wherein said outer surface of said sleeve includes at least one groove for receiving a portion of said inner surface of said first member; and
wherein said at least one groove includes an opening and a base each having a predetermined width, said predetermined width of said opening being generally less than said predetermined width of said base.

[c13] An assembly, as in claim 12, wherein said outer surface of said sleeve is generally wavy having a plurality of peaks and valleys, said at least one groove being generally positioned within said valley.

[c14] An assembly, as in claim 12, wherein said at least one

groove includes two side walls and at least one of said side walls extends angularly from said base to said outer surface to collectively define said opening.

[c15] An assembly, as in claim 14, wherein said at least one side wall extends angularly from said base to said outer surface at an acute angle.

[c16] An assembly, as in claim 14, wherein both of said two side walls extend angularly from said base to said outer surface at about 45 degrees.

[c17] An assembly, as in claim 12, further including a coupling mechanism providing radial inward pressure upon said first member and said sleeve to generate a seal between said inner surface of said first member and said outer surface of said sleeve.

[c18] An assembly, as in claim 17, wherein said coupling mechanism is a crimp shell.

[c19] An assembly, as in claim 17, wherein said coupling mechanism is a spring clamp.